

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900037-6

MALOV, N.N.

Critical waves in wave guides of complex cross section. Uch.zap.
MGPI 88:17-26 '54. (MLRA 10:2)
(Wave guides) (Microwaves)

MALOV, N.

USSR/Physics - Standards

Card 1/1 : Pub. 118 - 4/9

Authors : Malov, N.

Title : About an expedient standard of length

Periodical : Usp. fiz. nauk 53/3, 433-434, July 1954

Abstract : The suggestion of using the length of a monochromatic light-wave as a standard of length is criticized. Table.

Institution : ...

Submitted : ...

MALOV, N. N.
USSR/Physics

Card 1/1

Author : Malov, N. N.

Title : In connection with the discussion of the concept "mass"

Periodical : Usp. Fiz. Nauk, 52, Ed. 3, 498 -500, March 1954

Abstract : In a letter to the editor Malov points out certain aspects of the problem regarding "mass" which were misrepresented during the discussion. The participants of the discussion were unanimous in treating mass as a measure of inertia instead of a measure of the quantity of matter. They have not realized that the very term "quantity of matter" is so far undetermined that its application (as well as the term quantity of motion) are entirely undesirable. The fact is that the conceptions of matter (objective reality) and its motions (changes) are most general concepts which are the bases of all other physical concepts which make the individual properties of matter more concrete. Three references.

Institution :

Submitted :

MALOV, N.N.
USSR/Physics

Card 1/1

Author : Malov, N. N.

Title : Vladimir Konstantinovich Arkadyev (1884-1953)

Periodical : Usp. Fiz. Nauk, 52, Ed. 3, 469 - 469, March 1954

Abstract : Obituary and bibliographical sketch of the deceased member corresp. of the Academy of Sciences USSR, senior professor of the Moscow University, Doctor of Physical-Mathematical sciences, V. K. Arkadyev. Among the many scientific works of Arkadyev are included such books as: Magnetic Spectroscopy, Study of Electromagnetism, Modern Problems of Electromagnetism, Problems of an Electrotechnical Metal, Electromagnetic Processes in Metals, 50 Years of the Hertzian Waves, etc.

Institution :

Submitted :

MALOV, N.N., professor (g. Moskva)

Against stagnation and routine in school teaching of physics.
Fiz. v shkole 14 no.5:45-47 S-0 '54. (MIRA 7:9)
(Physics--Study and teaching)

IA 236T79

MALOV, N. N.

USSR/Physics - Lecture Experiments

Sep 52

"Some Lecture Demonstrations in a Course of
Experimental Physics," A. Ya. Volkova, N. N.
Malov, and A. Ya. Yashkin

"Uspekhi Fiz Nauk" Vol 48, No 1, pp 123-128

Describe experiments with a free falling pendulum,
modeling of ionosphere, tube generator of un-
damped oscillations, interference of light by
thin film.

236T79

MALOV, N.N. (Chair of Gen Phys,

USSR/Electronics - Waveguide

Jun 52

"Measurement of Angle of Full Polarization in a
Waveguide," N. N. Malov, Chair of Gen Phys, Mos-
cow State Pedagogical Inst imeni Lenin

"Zhur Tekh Fiz" Vol XXII, No 6, pp 1000-1003

Proves by analysis of propagation conditions of
certain wave types that it is impossible to mea-
sure the angle of full polarization in a wave-
guide. Previous attempts were made by N. V. Koto-
sonov and G. S. Pakhomov (cf. "Zhur Tekh Fiz" Vol
XXI, 802, 1951 but are critized by the author. Re-
ceived 9 Nov 51.

219T16

MALOV, Nikolai Nikolaevich, 1903-

Course in electric and radio engineering for pedagogical institutes
Izd. 3., vnov' perer. i dop. Moskva, Gos. Izd-vo tekhniko-teoret. lit-mv, 1952.
432 p. (52-23192)

TK145.M25 1952

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900037-6

OSTIIL, "vol. 4, No. 9"

Malev, M.N., A new method of observing electrical and magnetic fields, 244-746. Extracted Literature:
1. L. Marton (J. Applied Phys. 19, 687, 863 (1948))
2. L. Marton and S. Lachenbruch (J. Applied Phys. 20, 1171, 1242
(1949) and Phys. Rev. 73, 1475 (1948))

Uspenski Fizicheskikh Nauk, Vol. 41, No. 2 (June 1950)

ASIA METALLURGICAL LITERATURE CLASSIFICATION

621.392.36
3440. Propagation velocity of Non-mode waves in a stratified
waveguide. N. N. Malov. J. Tech. Phys., USSR, 20 (No. 12) 1509-10
(1950) In Russian.

The application of waveguides with 2 and 3 dielectric layers for
phase shift purposes is considered theoretically. It is shown that
undistorted propagation is obtained only with a definite layer
thickness, and that the propagation velocity is given by the dielectric
properties of the layers adjacent to the waveguide walls. The
findings of Fox (Abstr. 674(1948)) are criticized, particularly his
method of phase shift by means of an internal slotted metal barrier.
A. Landman

ASR-LSA METALLURGICAL LITERATURE CLASSIFICATION

PA 12/49T103

MALOV, N. N.

Apr 48

USSR/Physics
Optics

"Review of R. V. Pol's Book, 'Introduction to
Optics,'" N. N. Malov, 2 pp

"Uspekhi Fiz Nauk" Vol XXXIV, No 4

Favorable review of the above (possibly German)
book. N. A. Tolstoy, translation editor, State
Publishing House of Technical and Theoretical
Literature, Moscow-Leningrad, 1947, 484 pp. Price
14 rubles.

12/49T103

New Type of Frequency Meter for Centimeter Waves.
(In Russian.) N. N. Malov, *Zhurnal Tekhnicheskoi
Fiziki* (Journal of Technical Physics), v. 18, June
1948, p. 793-798.

Presents design for a narrow-range frequency meter of high accuracy, constructed in the form of a wave conductor with variable cross-section, filled with two different dielectrics. Also indicates possibility of achieving higher accuracy over a wider range by means of wave conductor filled only with air.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900037-6

1

621.396.611.4 : 621.3.012.8

621.396.611.4 : 621.3.012.8
 4076. Calculation of the equivalent circuits of a cavity resonator. MALOV, N. N. *J. Tech. Phys., USSR*, 18, 421-30 (April, 1948) *In Russian.*—Complexity of the field of cavity resonators makes determination of the equivalent circuits difficult. However, rigorous analysis shows that the following 4 conditions lead to a reasonable definition of "electric" equivalence between resonator and substituted circuit: (a) Equality of the electric energy; (b) equality of charges; (c) equality of the "goodness"; (d) isochronism of the oscillations. A similar set of 4 conditions has to be satisfied for the magnetic equivalence. The method is used for finding the equivalent circuit of a cylindrical resonator in which a standing wave of the type H_{011} has been set up.

Moscow State Pedagogical Inst. im. V.I. Lenin

METALLURGICAL LITERATURE CLASSIFICATION

100% 80417
100% 804 161

MALOV, N. N.

5 A

1366
a

621.392.26

4043. Damping of the H_{10} -wave in a waveguide of rectangular cross section. MALOV, N. N. J. Tech. Phys., USSR, 18, 417-20 (April, 1948) In Russian. The calculation is based on the consideration of multiple reflections of a transverse wave on the walls of the waveguide. It is shown that a wave of the type H_{mn} and H_{0n} cannot be regarded as a special case of the H_{mn} type of wave, when $m, n \neq 0$. R. F. K.

ERIALS IN USE

MALEV, N., Prof.

Electron Microscope

Ecectron microscope. Nov. nuak, i tekh., No. 1, 1948

Monthly List of Russian Accessions, Library of Congress, October 1952 Unclassified.

MALOV, NIKOLAY NIKOLAEVICH

MALOV, NIKOLAY NIKOLAEVICH

Kurs elektrotekhniki i radiotekhniki. Dopushcheno v kachestve ucheb.
posolstva dlia fiziko-matematicheskikh fakul'tetov pedagogicheskikh vuzov.
Izd. 2., perer. i dop. Moskva, Gos. izd-vo tekhn - teoret. liter., 1947.
471 p., illus., port.

Title tr.: A course in electric power and radio technique. Approved
as a textbook for the faculties of physics and mathematics at schools of
advanced pedagogical studies.

Radar: p. 43-449.

TK145. M25 1928

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of
Congress, 1955.

MALOV, N.A.

26000 Malov, N.A. Nekotoryye Materialy (roli Neopetar'icheskikh Feltarov v Vozniknovenii Tak Nazываемykh Sal'varsanovskikh (Mafarsenovskikh) Zheltukh. Stornik Nauch. Rabot Lecheb. Uchrezhdeniy Mosk. Voven. Okr. Gor'kiy, 1948, S. 272-75.

SO: Letopis' Zhurnal Statey, No. 30, Moscow 1948

MALOV, Nikolay Nikolaevich, 1903

A course in electrical and radio engineering; a text-book. Izd. 2., perer. i dop.
Moskva, Gos. izd-vo tekhn.-teoret. lit-ry, 1948. 471 p. (49-21278)

TK145.M25 1948

MALOV, N.N., professor (Moscow).

Radar. Fiz.v shkole 7 no.1:13-26 '47.

(MLRA 6:11)
(Radar)

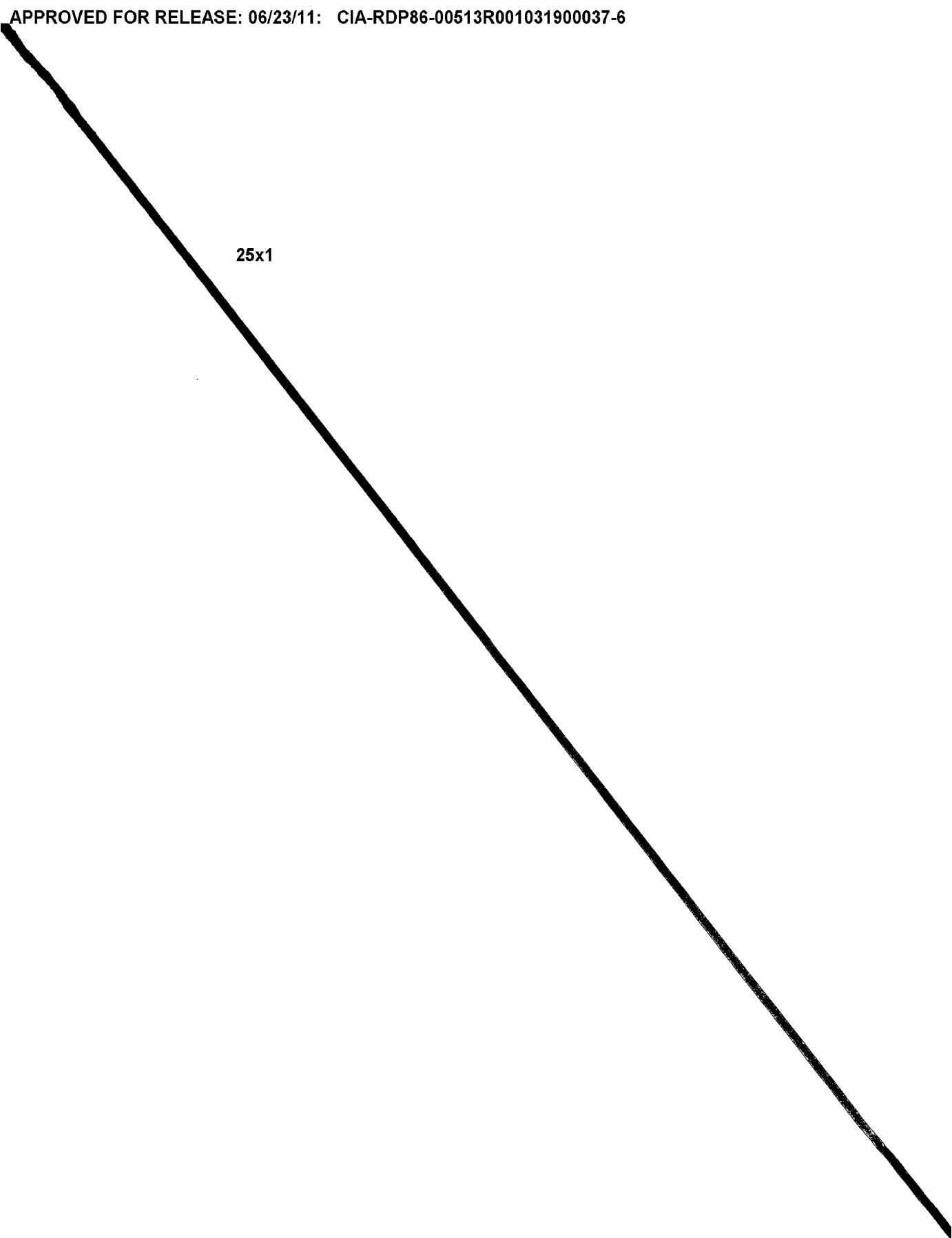
Y Y
MALOV, NIKOLAI NIKOLAEVICH.

Radio na sluzhbe u cheloveka. [Radio in the service of humanity]. Moscow, Gos. izd-vo tekhn.-teoretich. lit-ry, 1947. 63 p. illus. (Nauchno-populiarniaia biblioteka). DLC: TK6550.7.M3

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress,
Reference Department, Washington, 1952, Unclassified.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900037-6

25x1

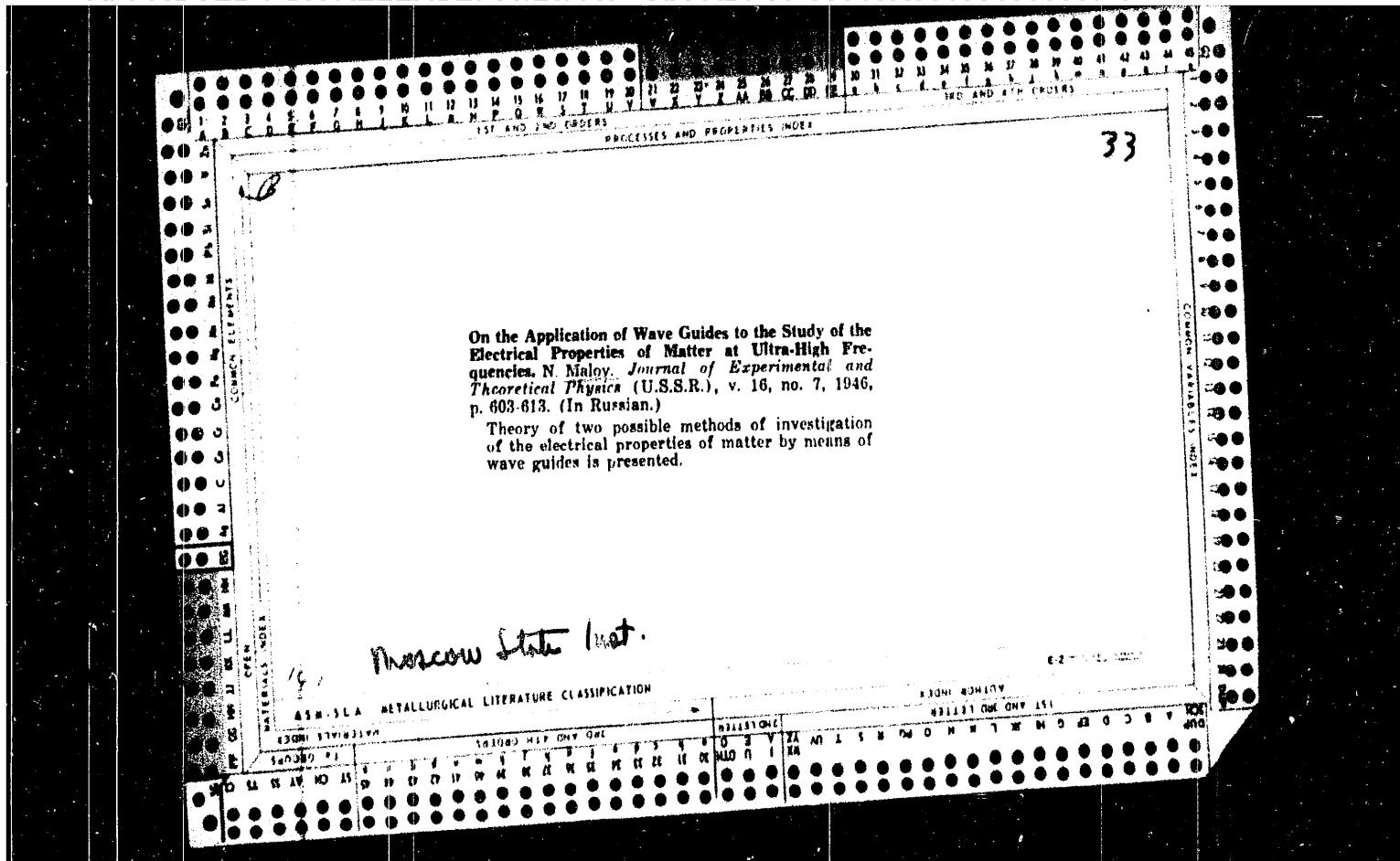


APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900037-6

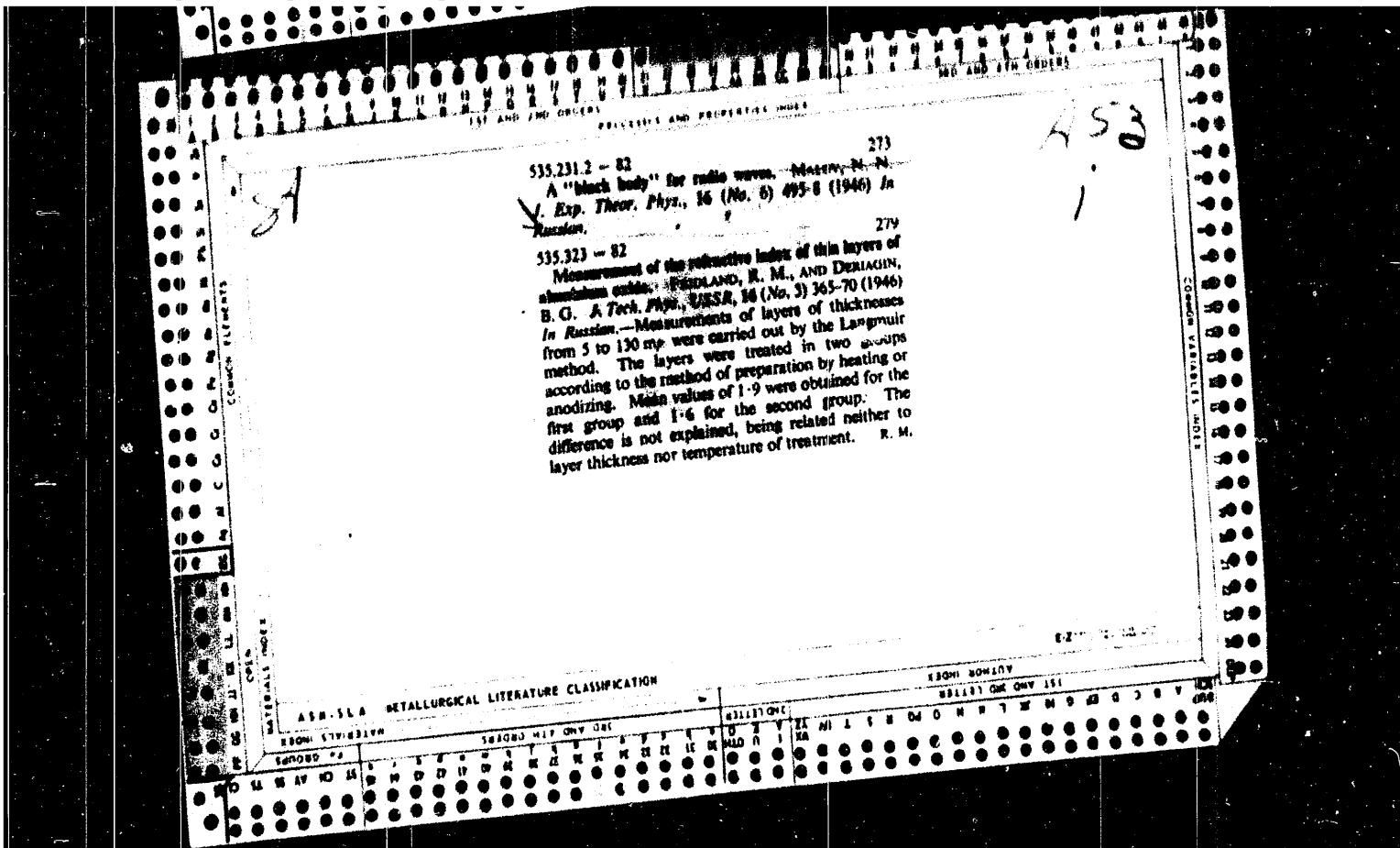
MALOV, N.M.

ET-724 [On the Doppler effect in a wave guide] Osnovnye effekty Dopplera v volnovode.
Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki, 16(11): 996-999, 1946.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900037-6



APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900037-6



B
The "Black Body" for Radio Waves. N. Malov. *Journal of Physics (U.S.S.R.)*, v. 10, no. 4, 1946, p. 383
385. (In English.)

A new method is proposed for investigation of electrical properties of materials at very high frequencies using a plate at the end of a wave guide closed by a metallic piston. Such a plate conjointly with the cavity, formed between this plate and the piston, behaves as a "black body" towards the electromagnetic process of the given frequency. Considers some particular cases, and the possibility of their application to determination of the electrical properties of a substance.

16

AMSLA METALLURGICAL LITERATURE CLASSIFICATION

GENERAL INFORMATION

EXPLANATION OF CODE

CLASSIFICATION

EXPLANATION OF CODE

CLASS

MALOV, N. N.

PA 19T10

USSR/Wave Guides
Electronic tuning

May 1946

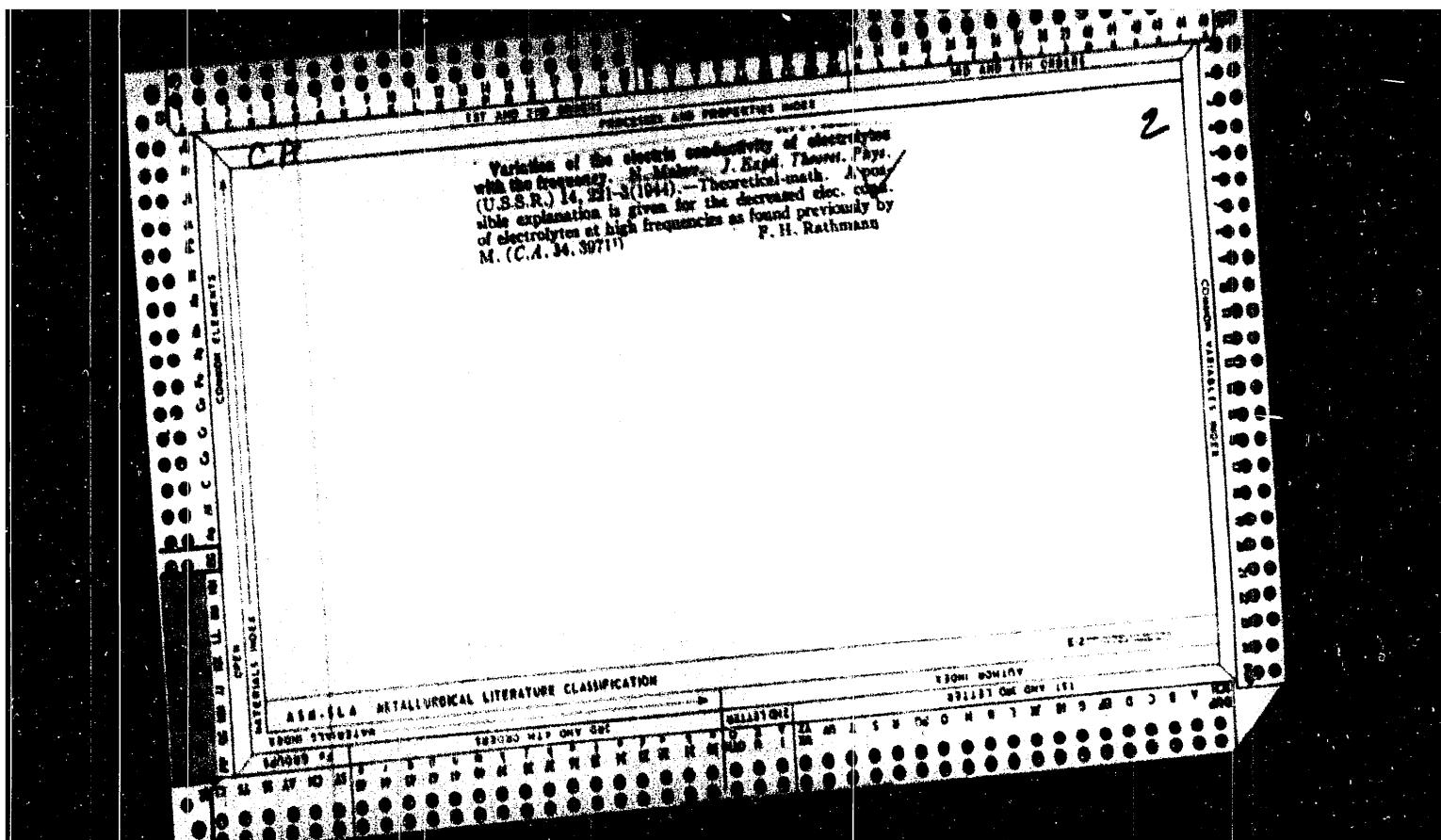
"Tuning of an Open-end Wave-guide," Prof N. N.
Malov, Dr of Physico-Mathematical Sciences, 4 pp

"Radiotekhnika" Vol I, No 2

An investigation of possible improvement in
radiation efficiency of an open-end wave-guide
by employing a suitable dielectric plate. The
plate is placed inside the wave-guide at a cer-
tain distance from the open end. Simple equations
are presented for determining the characteristics
and position of the plate.

19T10

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900037-6

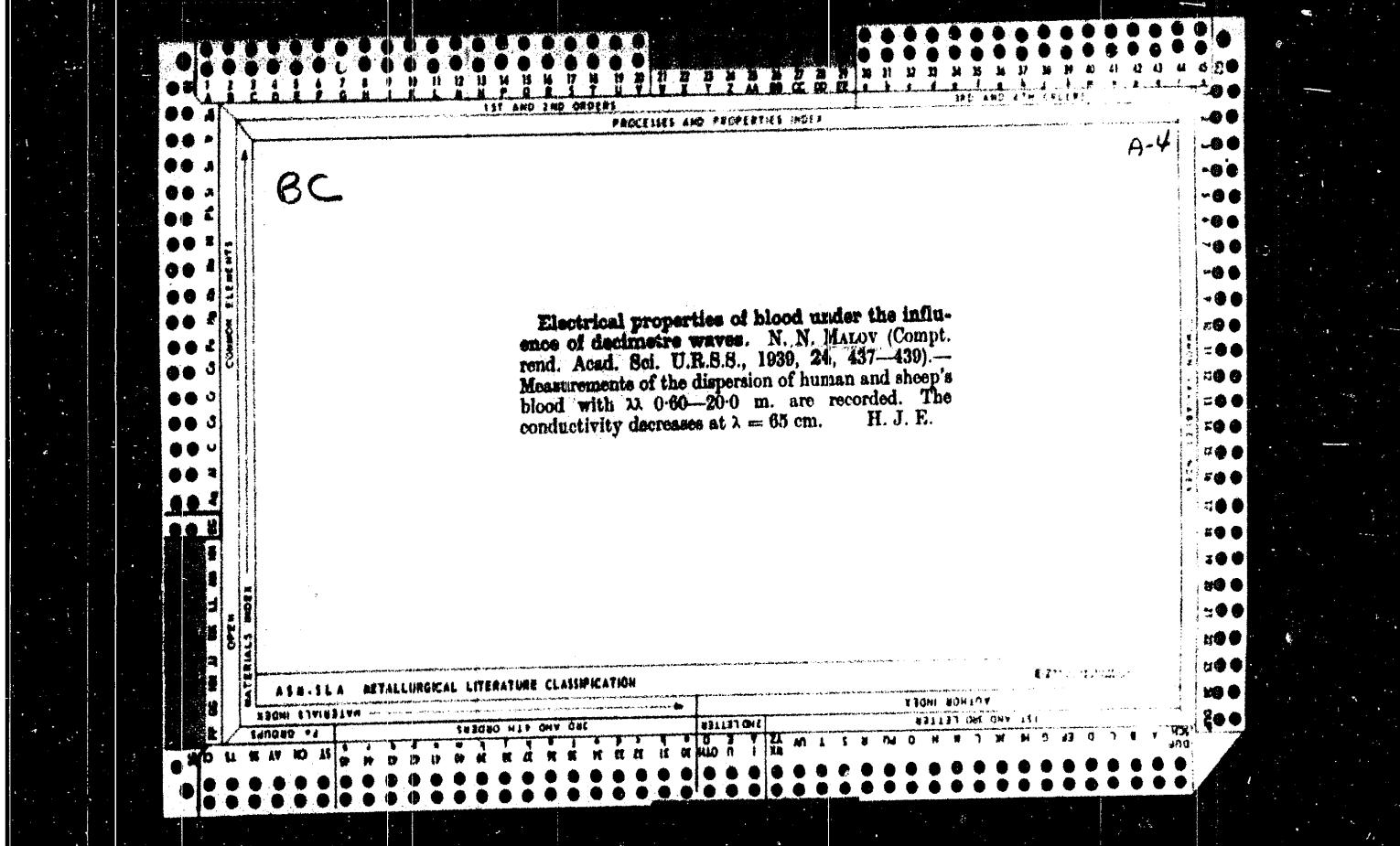


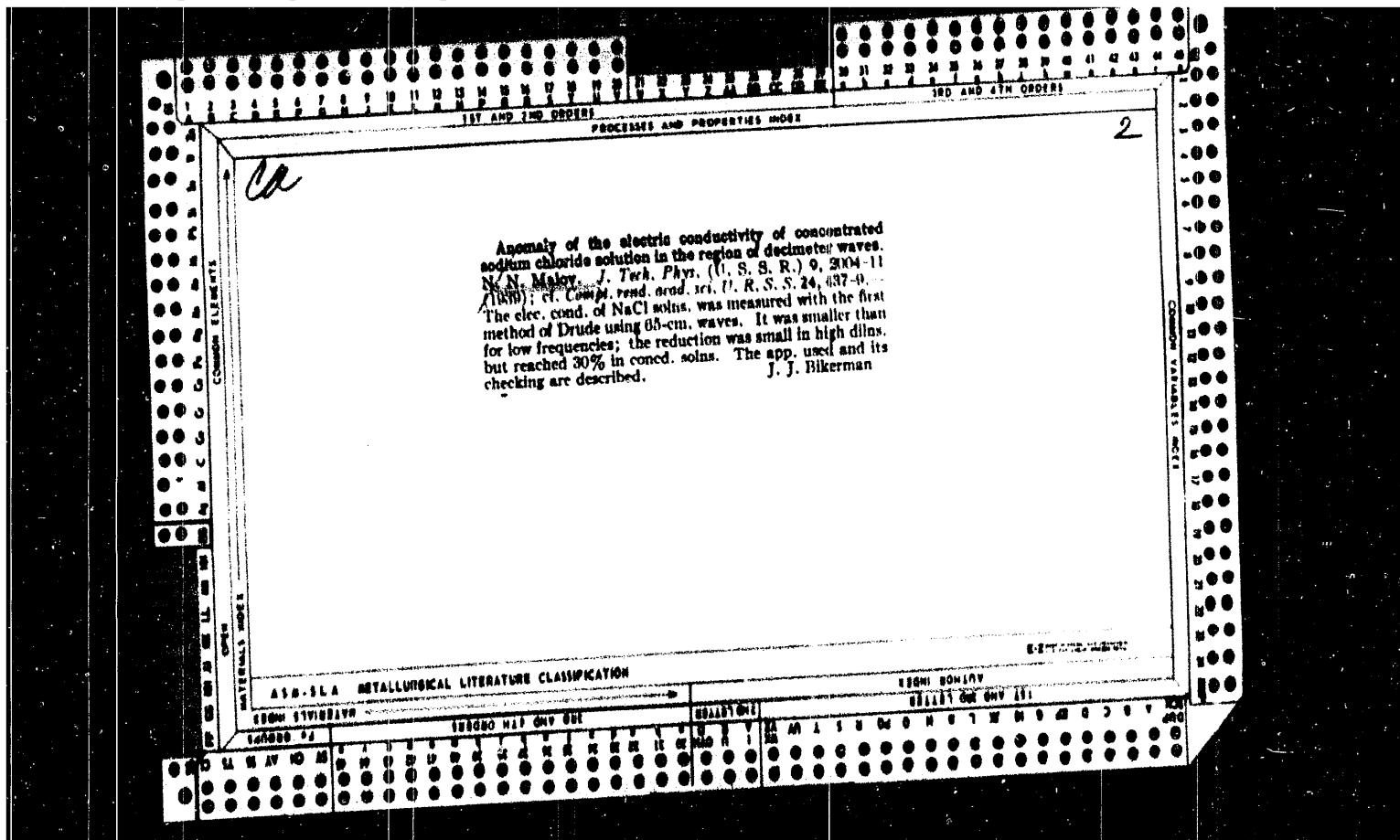
Preparation of the . . .

ELECTROMAGNETIC WAVES IN A HOLLOW GUIDE
WITH TAPERING CROSS SECTION. N. N. Malov
[*Journ. of Phys. of USSR*, No. 3, Vol. 17,
1943, pp. 473-478 (in German).]

An analysis of the field distribution in a guide with tapering
circular cross section shows that such a guide can be
used for the concentration of energy. Feeding would take
place at a point of large cross section, and a narrow slot
at the tapered end would act as aerial. Some interesting
results arise from an investigation of the standing waves
in a conical guide; this will be reported on in a later
paper.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900037-6



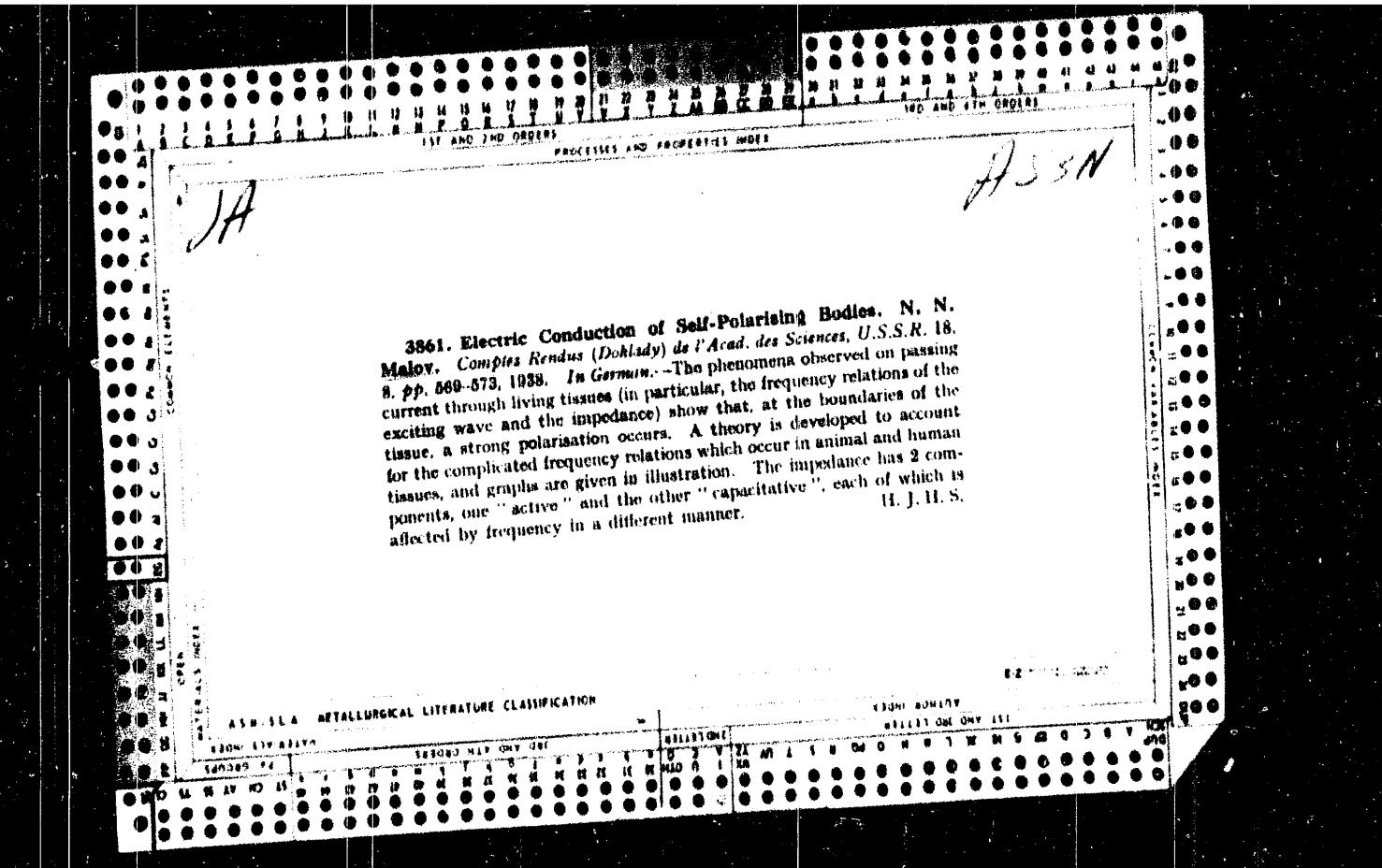


3861. Electric Conduction of Self-Polarising Bodies. N. N. Malov. *Comptes Rendus (Doklady) de l'Acad. des Sciences, U.S.S.R.* 18, n. pp. 669-673, 1938. In German. —The phenomena observed on passing current through living tissues (in particular, the frequency relations of the exciting wave and the impedance) show that, at the boundaries of the tissue, a strong polarisation occurs. A theory is developed to account for the complicated frequency relations which occur in animal and human tissues, and graphs are given in illustration. The impedance has 2 components, one "active" and the other "capacitative", each of which is affected by frequency in a different manner. H. J. H. S.

ASH-1A METALLURGICAL LITERATURE CLASSIFICATION

SEARCHABILITY
REFLECTOR ONLY 1ST

82-10115-52-27



MALOV, N.N.

3761. Nerve Excitation by Alternating Currents. N. N. Malov
Comptes Rendus (Doklady) de l'Acad. des Sciences, U.S.S.R. 14, 7, pp.
437-440, 1937. In German.—An analysis of the ion theories of nerve
excitation developed by Nerst and Hill shows that they do not explain
the experimental results over the whole available frequency range. The
galvanic polarisation theory of Warburg and Kruger is applied to the
problem and it is shown that the outstanding difficulties can be overcome.

J. E. R.

Ja *A 53 M*
600C. LOSSES IN LECHER-WIRE MEASUREMENTS. N. N. MALOV. PHYS. ZWIT.
U. SOVIJ TUNION 12. 1. pp 111-117 1937. In German. In Drude's second method
of measurement of dielectric liquids a condenser

containing the liquid is used to bridge the two wires of the Lecher system.
In the present paper the correction necessary when the liquid has a high
conductivity is deduced mathematically. In addition, a theoretical
treatment is given of the application of the reactance variation method
to Lecher wires. The loss in the system is a simple function of the change
of reactance which reduces in a given ratio the current flowing at resonance.

W. H. W.

ASA SLA METALLURGICAL LITERATURE CLASSIFICATION

3764. E.H.P. Loading of Double Conductors. N. N. Malov.
Phys. Zts. d. Sowjetunion, 11, 5, pp. 339-344, 1957. In German.—It is sometimes necessary to determine the circuit loading due to the introduction of some object between the plates of a condenser forming part of an a.h.f. circuit. In practice there is always an air-gap between the condenser plates and the surface of the object and in consequence the increase of resistance due to the object is not large. Dred's method is not suitable for measuring this resistance and measurements were therefore made by the method developed by Rosenstein and Tatarinov. The condenser into which the object is introduced is at one end of a pair of conductors, the other end being coupled to a h.f. generator. The equivalent complex resistance can be determined from the voltage distribution along the conductors. Measurements were made with wave-lengths of the order of 3-4 m. and the results obtained with different types of circuit loading (ohmic, inductive and capacitive) showed good agreement with calculated values. A. W.

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

12041 SYNTHEZ

58003 MET CHV GNE

SYNTHESIZA

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900037-6

SA

B66
f

2049. Voltage Measurement with a Lecher-Wire System.
 N. N. Malov. *Phys. Zeits. d. Sowjetunion*, 9, 4, pp. 405-406, 1938. In German.—In a previous paper [see Abstract 1097 (1938)] the theory was given of a method of voltage measurement by means of a Lecher-wire system of variable wave resistance. It is here shown that similar measurements can be made with a Lecher system of constant wave resistance and the appropriate formulae for this case are given. A. W.

ASH-SLA NEUROLOGICAL LITERATURE CLASSIFICATION

• 1369 924674

A 53
2

2992. A.C. Resistance of the Human Body and its Dependence on Current. N. N. Malov. Comptes Rendus (Doklady) de l'Acad. des Sciences, U.S.S.R. 1, 8 pp. 227-230, 1938. In German. - It has been shown that the resistance of the human body to oscillatory currents is equivalent to that of a circuit containing ohmic resistance r_o and capacity C_o . Experiments with various types of electrode show that this total impedance of the body can be again divided into internal impedance (r_i) and surface impedance (r_s). Measurements of the total impedance, and of r_o , r_i , C_o , r_s have been made using a cathode-ray oscillograph system. Results are given over a frequency range from 5 to 5×10^4 Hz. It is shown that at low frequencies the values obtained depend to a considerable extent on the value of the current: the total impedance and ohmic resistance increasing with decreasing current, and the capacity decreasing. An ionisation theory is put forward to explain these results. J. R. K.

ASME METALLURGICAL LITERATURE CLASSIFICATION

180300 HIT ONLY ONE

V20H1 804103

V21131 CHM QMV 131

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900037-6

1889. Wave-Length and Potential Measurements with Lecher
Wire System with Variable Wave Resistance. N. M. Malov. *Phys.
Zeits. d. Sowjetunion*, 8, 8, pp. 800-801, 1938. In German. --The theory
applicable to a Lecher wire system, consisting of two parts with different
wave resistances, is developed and the appropriate formulae derived.
Application of such a system to potential and wave-length measurements
is described and tests carried out show good agreement with theory. A. W.

A 33
L

ASA-SLA METALLURGICAL LITERATURE CLASSIFICATION

EXONI STIBBIRW SUBSIDIARY USE ONLY ONE

EXONI BOMHIV

USE ONLY ONE

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900037-6

SA

B64P

2112. Electrostatic Voltmeter for Ultra-High Frequencies. N. N. Maloz. *Phys. Zeits. d. Sowjetunion*, 7, 5-6, pp. 583-589, 1938. In German.—A simple type of electrostatic voltmeter is described which may be used for frequencies of the order of 10^4~Hz and for voltages up to 8000. This instrument has the advantage over an electrometer in that it may be used for much higher voltages [see Abstracts 3190 and 2191 (1933)]. In design, it resembles a small electrometer; a small, light, movable electrode is suspended between 2 fixed electrodes, the deflection of the movable electrode being measured with a mirror and telescope. The capacity of the whole is extremely small and the sensitivity may be controlled by altering the distance between the electrodes. If the movable electrode has a certain shape, a linear characteristic may be obtained. An accuracy to within 1 % is claimed.

H. J. H. S.

APPENDIX A. METALLURGICAL LITERATURE CLASSIFICATION

47 AND 50 111718
AUSTRALIA 19

MALOV, N. N.

"Morphoses of Drosophila Melanogaster, Caused by the Action of a High-Frequency Electric Field." (p. 561) by Malov, N. N.; and Friesen, Heinrich

SO: Biological Journal (Biologicheskii Zhurnal) Vol. V, 1935, No. 3

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900037-6

MALOV, N. N.

"Study of the Heat Effect in the Electrode Field of Ultrashort and Short Waves."
(p. 551) by Malov, N. N.

SO: Biological Journal (Biologicheskii Zhurnal) Vol. V, 1935, No. 3

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900037-6

SA

2283. Influence of Wave-Length on Lethal Action of H.F. Fields. N. N. Malov. Acad. Polonaise Sci. et Lettres, Bull. 8-9/1, pp. 387-390. (Oct.-Nov., 1934. In German.)—In previous work Szymanowski has shown that as the wave-length of a h.f. electric field is increased the applied voltage should be increased. If the time for lethal action remains constant it is suggested that this conclusion is due to a neglect of complicating factors caused by the presence of a body in the field. A formula is developed for a simple case, which shows only very small variations of voltage with wave-length. J. R. R.

A53

ATA-SEA METALLURGICAL LITERATURE CLASSIFICATION

STORY BONHOM
BALLET ONE ONE ESI

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900037-6

An electron microscope. N. N. Malov. *Uspekhi Fiz. Nauk.* 13, 307-84 (1933).
F. H. Rathmann
A REVIEW.

ASME METALLURGICAL LITERATURE CLASSIFICATION

IRON STEEL

INTERMETALIC COMPOUNDS

METALLOGRAPHY

STAINLESS STEELS

WIRE

USSR / Cultivated Plants. Commercial, Oleaceous,
Sugar Bearing.

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 6334

Author : Malov, N. I.
Inst : Azerb. Agricultural Institute
Title : Bases of Sorting, Calibrating and Sowing Cotton

Seeds with a Given Number of Seeds Per Hill

Orig Pub : Tr. Azerb. s.-kh. in-ta, 1957, 4, 3-18

Abstract : The full effectiveness of sorting and calibration of seeds is reached only after their complete denudation. The most expedient method for that is the mechanized removal of the seed down with subsequent treatment with a strong solution of sulphuric acid. It is recommended to sort cotton seeds according to their specific weight and their size, and their calibration

Card 1/2

SINITSYN, V.P., kandidat tekhnicheskikh nauk; MALOV, N.F., kandidat tekhnicheskikh nauk; MANDRAZHITSKIY, M.N.; BORKHUNOVA, V.D.; LAVROVSKIY, K.F., redaktor; DZHATIYEV, S.G., tekhnicheskiy redaktor

[Local air defense; textbook for secondary schools and pedagogical schools] Mestnaia protivovozdushnaia oborona; uchebnoe posobie dlia srednikh shkol i pedagogicheskikh uchilishch. Pod red. Sinitsyna. Moskva, Gos. uchebno-pedagog. izd-vo Ministerstva prosveshcheniya RSFSR, 1956. 150 p. [Microfilm]
(Air defenses) (MLRA 9:12)

MALOVA, N.A.

Modern equipment in nonferrous metallurgy. Inform. biul. VDNKH
(MIRA 17:8)
no. 8-7-9 Ag '63.

1. Starshiy inzh.-metodist pavil'ona "Mashinostroyeniye" na
Vystavke dostizheniy narodnogo khozyaystva SSSR.

A Hydraulic Tire-Cover Stripper

SOV/84-60-1-59/76

forced with the flap-operating cylinders of an Il-12 and supported by a Nr 5 angle-bracket. The clamps are cylinder operated and their movement is facilitated by 3 22x320mm grooves in the plate. Undercarriage and flap cylinders are incorporated in the hydraulic system which consists of a 2.8 kilowatt 1,480 rpm electric motor, a 109A water-pump with a flow-rate of 15-18 lpm and a pressure of 20 atmospheres, 2 Il-12 undercarriage valves, a duct-pipe and a manometer. The lift-tackle consists of a Nr 12 runway-girder, an electric telpher-line with 2 ellipsoid discs. Blueprints of the entire device are obtainable at the Vnukovo LERM or from the enterprise directed by Kh. Izmiryan. The finished item can strip and replace aircraft tires. There are 2 diagrams and 1 photograph.

Card 2/2

SOV/84-60-1-59/76

AUTHOR:

Malov, N., Engineer

TITLE:

A Hydraulic Tire-Cover Stripper

PERIODICAL:

Grazhdanskaya aviatsiya, 1960, Nr 1, pp 28-29 (USSR)

ABSTRACT:

The author describes a hydraulic tire-remover developed at the Vnukovskiye LERM (Vnukovo LERMs) by efficiency experts P. Ivanov, B. Khristenko, M. Koshevoy and P. Oshkin. Until now removal of tires from aircraft like the Tu-104 (wheel-weight 220 kg, weight of stripper 30 kg) has been a manual operation. The new device consists of a hydraulic stripper and a clutch lifting-tackle. The stripper is set-up in a 1,200x1,200x750 concrete-lined trench covered with a steel plate. The plate has a 177mm aperture to take the support cone which extracts the wheel drum from the covering. The support is reinforced with a telescopic cylinder rod and the undercarriage let-down of an Il-12 centered by a tripod and a clamp. The triangular frame is rein-

Card 1/2

MALOV, N., zhurnalist; MANTSOVA, L., red.; TURUBAYEV, B., tekhn. red.
[The Bukhtarminsk Sea] Bukhtarminskoe more. Alma-Ata, Ka-
zakhskoe gos.izd-vo, 1961. 87 p. (MIRA 15:2)
(Bukhtarminsk reservoir)

L 00070-66

ACCESSION NR: AP5021329

accelerated by a cyclotron. The resolution of the counter in these measurements is
1.6-2.5%. Orig. art. has: 5 figures.

ASSOCIATION: Nauchno-issledovatel'skiy institut yadernoy fiziki, MGU (Scientific
Research Institute of Nuclear Physics, MGU)

SUMMITTED: 08Jun64

ENCL: 00

SUB CODE: NP

NO REF Sov: 002

OTHER: 004

JW
Card 2/2

L 00070-66 EWT(m)/T/EWA(h) IJP(c)
ACCESSION NR: AP5021329

UR/0120/65/000/004/0051/0054
539.1.074.822.3:539.172.8

AUTHOR: Malov, M. M.; Melikov, Yu. V.; Tulinov, A. F.

TITLE: Use of a proportional counter for spectrometry of nuclear reaction products

SOURCE: Pribory i tekhnika eksperimenta, no. 4, 1965, 51-54

TOPIC TAGS: proportional counter, spectrometry, alpha spectroscopy, particle counter, particle accelerator, particle scatter

ABSTRACT: The design and operation of a proportional counter for the spectrometry of products of nuclear reactions are described. The main characteristics of the counter were studied by means of an α -particle source ($Cm242$). The gas amplification factor (g.a.f.) is determined as a function of the voltage of the anode filament at various pressures of the gas mixture (argon + CO_2 admixtures) of the counter and at a constant CO_2 content (3.5%), and the resolution of the counter was determined as a function of the CO_2 content at a constant g.a.f. (equal to 10). The study shows that the critical value of g.a.f. > 100 , and the resolution is 1.5% when $E\alpha = 6.1$ MEV. In addition to studies with the α preparation, the counter was also used for recording the products of scattering of 26 MEV α particles

Card 1/2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900037-6

11. PAGES

MALOV, M. S.

CA

Nicotine. A. A. Shimuk, M. K. Malov and A. I. Mednikov. Russ. 54,870, May 31, 1930. Aq. ext. of tobacco is acidified with H_2SO_4 and the nicotine pptd. with $K_2Fe(CN)_6$ and $ZnCl_2$. The ppt. is washed and dissolved in alkali, and nicotine extd. from the soln. by means of org. solvents.

MALOV, L.

Achievements and shortcomings. Za bezop.dvizh. 3 no.8:1-2
(MIRA 13:11)
Ag '60.

1. Nachal'nik Otdela rukovodstva ulichnym dvizheniyem g.
Moskvy. (Traffic safety)

MALOV, L.

Tasks of transportation workers. Za bezop.dvizh. no.2:3-4 I
'60. (MIRA 13:5)
(Moscow--Traffic accidents)

MALOV, L.

On the threshold of winter. Za bezop. dvizh. no.6:1-2 N '58.
(MIRA 11:12)

1.Nachal'nik Otdela regulirovaniya ulichnogo dvizheniya g. Moskvy.
(Automobiles--Cold weather operation)

MALOV, L.N.

Prevent traffic accidents. Za bezop. dvizh. no.1:1-4 Je '58.
(MIHA 11:12)

1.Komissar filitsii III ranga, nachal'nik Otdela regulirovaniya
ulichnogo dvizheniya.
(Traffic safety)

MALOV, L.

More attention to traffic regulations on city streets. Avt. transp.
35 no, 5:14-16 My '57. (MIRA 10:6)

i. Nachal'nik Obshchestvennogo regulirovaniya ulichnogo dvizheniya
g. Moskvy. (Traffic regulations)

MALOV L. M.

KOPYTOV, V.N., inzhener; MALOV, L.M., inzhener; SHEVCHENKO, A.G.,
inzhener.

Repairing generator contact rings. Elek.sta. 25 no.10:52-53 0 '54.
(MLRA 7:11)
(Dynamos)

ACC NR: AP7005442

SOURCE CODE: UR/0367/66/004/003/0528/0536

AUTHOR: Maloy, L. A.; Polikanov, S. M.; Solov'yev, V. G.

ORG: Joint Institute for Nuclear Research (Ob'yedinennyj institut jadernykh issledovaniy)

TITLE: Structure of spontaneously fissionable isomers

SOURCE: Yadernaya fizika, v. 4, no. 3, 1966, 528-536

TOPIC TAGS: isomer, excited state, isotope

ABSTRACT: Excited states with equilibrium deformations δ_1 higher than the ground state equilibrium deformations δ_0 of the corresponding nuclei are investigated. Isomers with $\delta_1 > \delta_0$ are considered and it is shown that isomers of a number of odd-odd Pa, Np, Am, and Bk isotopes can exist having life-times which with respect to spontaneous fission, are shorter or of the same order as those with respect to γ -transitions. The energies of such isomers are calculated and nuclei are shown in which the occurrence of spontaneously fissile isomers is most probable. It is asserted that previously discovered, spontaneously fissile isomers are two-quasi-particle excited states with $K\pi = 12^-$, $p505\uparrow n606\uparrow$, and $K\pi = 11^-$, $p505\uparrow n615\uparrow$, with the equilibrium deformation $\delta_1 = 0.32$. It is shown that the probability of finding spontaneously fissile isomers in odd and even-even nuclei is very small. The authors thank G. N. Flerov, A. Sobichevskiy, V. M. Strutinskiy and P. Fogel for interesting discussions. A. Giorso contributed to work with the isomers. Orig. art. has: 2 figures, 1 formula and 1 table. [JPRS: 38, 764]

SUB CODE: 20 / SUBM DATE: 22Jan66 / ORIG REF: 014 / OTH REF: 011
Card 1/1

0966 2317

SOV/137-57-6-10324

Reconditioning of Machine Components (cont.)

280-320°C, the mixture is brittle, is readily crushed, and exhibits good gas permeability. No separation of components takes place. A quality inspection of components which have been restored to service by means of automatic HS demonstrated that they suffer 10-15% less wear than analogous new parts.

A.R.

Card 2/2

SOV/137-57-6-10324

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 6, p 132 (USSR)

AUTHOR: Malov, K.V.

TITLE: Reconditioning of Machine Components by the Submerged-arc Method
of Hard Surfacing (Vosstanovleniye detaley mashin metodom avto-
maticheskoy naplavki pod flyusom)

PERIODICAL: V sb.: Povysheniye iznosostoykosti i sroka sluzhby mashin.
Kiyev-Moscow, Mashgiz, 1956, pp 317-321

ABSTRACT: The author describes an experiment on the employment of standard automatic welding machines for hard surfacing (HS) of worn cylindrical machine components 80-540 mm in diameter. The technology and conditions of depositing steels 27SGT and 30KhNZ by this method are described, together with the results of utilizing ground flux scale as an additive to fresh flux (F). Experiments on the employment of fused AN-348A flux mixed with powdered alloying elements are also described. The alloying F is manufactured from a mixture composed of 1.5% (of the weight of the F) of a 75% Fe-Si compound and AN-348A flux; the mixture is moistened by a solution of water glass dissolved in water (1/3 glass). After sintering at

Card 1/2

On differential equation with . . .

S/140/62/000/001/005/011
C111/C444

There is one Soviet-bloc reference.

ASSOCIATION: Kazanskiy pedagogicheskiy institut (Kazan Pedagogical
Institute)

SUBMITTED: April 24, 1959

✓

Card 5/5

S/140/62/C00/C01/005/011
C111/C444

a differential equation with . . .

$$|y(x)| < y_1 e^{\frac{3}{2}} e^{-m_0(x-A-2\Delta_0)} \quad \text{for } x \in [A+2\Delta_0, B] \text{ and} \\ \frac{2}{3} \Delta_0 M_0 \leqslant e^{-4m_0 \Delta_0}; \quad (6)$$

$$|y(x)| < y_1 e^{\frac{3}{2}} \left(\frac{2}{3} \Delta_0 M_0 \right)^{\frac{2}{3}} \text{ for } x \in [A+2\Delta_0, B] \text{ and} \\ \frac{2}{3} \Delta_0 M_0 > e^{-4m_0 \Delta_0}. \quad (7) \quad \checkmark$$

where $\lfloor x \rfloor$ indicates the integer part of x . The three lasting theorems show that for the boundedness of the solution it is sufficient that the main part of the variation of $r(x,s)$ at a fixed x corresponds to the small values of s .

Card 4/5

S/140/62/000/001/005/011
C111/C444

On differential equation with . . .

$M_i(x)$, $T_i(x) \geq 0$ ($i = 1, 2, \dots, n$) then one obtains a differential equation with lagging argument of the stable type.

The author investigates the dependence of the solution on the behaviour of $r(x, s)$ and gives estimations of the solution (Note of the reviewer: except for the title it is not obvious from the text which solution is meant - of (1) in the general stable case or of (1) in the special case

$$r(x, s) = \sum_{i=1}^n M_i(x) e(s - T_i(x)) .$$

Five theorems are proved. The first two give the following estimations for the solution

$$|y(x)| < y_1 e^{\frac{3}{2}} \text{ for } x \in [A + \Delta_0, A + 2\Delta_0], (y_1 = \max_{x \in [A, A + \Delta_0]} |y(x)|); \quad (5)$$

Card 3/7

S/140/62/000/001/005/011
C111/C444

On differential equation with . . .

$r(x,0) = 0$, $\forall r(x,s) \leq v(x)$, $r(x,s) = r(x, e'(x))$ for $e'(x) \leq s < \infty$;

z) for $x \in [A, B]$ there is

$$\lim_{t \rightarrow x} \int_0^{e'(x)+1} |r(t,s) - r(x,s)| ds, \quad t \in [A, B]$$

If $r(x,s)$ is a non-decreasing function of s for every fixed $x \in [A, B]$, then (1) is called of stable type. If especially there is

$$r(x,s) = \sum_{i=1}^n M_i(x) e^{(s - T_i(x))},$$

where

$$e(x) = \begin{cases} 0 & \text{for } x \in (-\infty, 0) \\ 1 & \text{for } x \in (0, \infty) \end{cases}$$

Card 2/5

16.3400

34764

S/140/62/000/001/005/011
C111/C444

AUTHOR: Malov, K. M.

TITLE: On a differential equation with lagging argument of stable type

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Matematika,
no. 1, 1962, 83-88

TEXT: The author uses notations and notions from (Ref. 1: A. D. Myshkis, Lineynyye differentials'nyye uravneniya s zapazdyvayushchim argumentom, [Linear differential equations with lagging argument] GTTI, 1951).

Considered is the integro-differential equation

$$y'(x) = - \int_s^\infty y(x-s) d_s r(x,s) \quad (1)$$

where $y(x) = \varphi(x)$ for $x \leq A$ ($\varphi(x)$ continuous function and $r(x,s)$ satisfies the following conditions: a) $r(x,s)$ is defined for $A \leq x < B$, $0 \leq s < \infty$; b) on $[A,B]$ there exist non-negative continuous functions $\delta(x)$ and $V(x)$ such that for $A \leq x < B$ it holds

Card 1/5

Linear differential equations ...

S/199/61/002/002/003/004
B112/B229

$R_a = \sup_{t>a} |x(t)|$ is valid. 3) If $|x(t)| > 0$ holds in the interval $(t_0, t_0 + 2\Delta_0)$ and $K_3 = M_{01}/m_{02}[1 - M_{01}(\Delta_0 - \delta_0)] \leq 1$, $|x(t + 2\Delta_0)| \leq 0$ is valid. 4) If $K_2 \leq 1$ and $K_3 \leq 1$ the solution is bounded, and if $K_2 < 1$ and $K_3 < 1$, then $\lim_{t \rightarrow \infty} x(t) = 0$ is valid. 5) If $K_{1,2} \leq 1$ and $K_3 \leq 1$, the solution is bounded. If $K_{1,2} < 1$ and $K_3 < 1$, the solution for $t \rightarrow \infty$ ($m_{02} > M_{01}$) tends to zero. 6) If $K_{1,2} < 1$, $K_3 < 1$ and $m_{02} > M_{01}$, then $|x(t)| \leq \max_{s \in [A\Delta_0, A+1]} |x(s)| y(t)$, is valid, where $y(t)$ is determined by m_{02} ,

M_{01} , A , 1 , Δ_0 and $K_{1,2}$. There is 1 Soviet-bloc reference.

SUBMITTED: March 24, 1960

✓

Card 3/3

Linear differential equations ...

S/199/61/002/002/003/004
B112/B229

$\lim_{t_1 \rightarrow t} \int_0^{\sigma(t)+1} |r(t_1, s) - r(t, s)| ds = 0$. The author represents the function

$r(t, s)$ as the difference: $r_1(t, s) - r_2(t, s)$ of two nondecreasing functions of bounded variation, expressing every function of bounded variation which satisfies the conditions (2), (3), by the quantities: $\Delta(t)$, $M(t)$, Δ_0 , M_0 , m_0 , δ_0 which were introduced in the work:

Lineynyye differentsiyal'nyye uravneniya s zapazdyvayushchym argumentom by N. D. Myshkis (Ref. 1: M. - L., Gostekhizdat, 1951). He proves the following theorems: 1) If $a \geq A + \Delta_0$ is a zero of the solution and

$$K_{1,i} = i \Delta_0 M_{01} + \Delta_{02} M_{02} - \frac{M_{02}}{2M_0} \leq 1 \quad (i \geq 1), \text{ then } \max_{t \in [a, a+i\Delta_0]} |x(t)| \leq K_{1,i} \max_{t \in [a-2\Delta_0, a]} |x(t)|.$$

is valid. 2) If $a \geq A + \Delta_0$ is a zero of the solution and

$$K_2 = K_{1,1} m_{02} / (m_{02} - M_{01}) \leq 1 \quad (M_{01} < m_{02}), \text{ then } R_a \leq K_2 p_a \text{ with}$$

Card 2/3

S/199/61/002/002/003/004
B112/B229

AUTHOR: Malov, K. M.

TITLE: Linear differential equations of first order with retarded arguments

PERIODICAL: Sibirskiy matematicheskiy zhurnal, v. 2, no. 2, 1961, 233-236

TEXT: The author examines the integrodifferential equation:

$$x'(t) = \int_0^\infty x(t-s) dr(t,s) \quad (1) \quad t \in [A, B], \quad x(t) = \varphi(t) \text{ for } t \leq A.$$
 The kernel $r(t,s)$ is of bounded variation with respect to the variable s and satisfies the following conditions: There are continuous functions $\sigma(t)$ and $v(t)$ on $[A, B]$, so that $r(t,0) = 0$ (2),
 $\sigma(t) \leq v(t), \quad r(t,s) = r(t,\sigma(t)) \text{ for } \sigma(t) < s < \infty, \quad (3)$
 $s=0$

Card 1/3

Malov, K. M., Cand Phys-Math Sci -- "Towards certain ⁰ ~~problems~~ ^{problems} questions
of the qualitative theory of differential equations with #
retarding amplitude." Kazan', 1961. (Min of Higher and Sec
Spec Ed RSFSR. Kazan' Order of Labor Red Banner State U im
V. I. Ul'yanov-Lenin) (KL, 8-61, 227)

ACCESSION NR: AP4043952

index up to $0^m.07$. However, this does not agree with the results obtained by E. S. Brodskaya (Izv. Krymskoy astrofiz. observ., 6, 84, 1951). "The authors wish to thank I. M. Kopylov for valuable advice and useful discussions of this subject". Orig. art. has: 5 formulas, 5 figures and 7 tables.

ASSOCIATION: Krymskaya astrofizicheskaya observatoriya Akademii nauk SSSR (Crimean Astrophysical Observatory, Academy of Sciences of the SSSR)

SUBMITTED: 06Aug63

ENCL: 00

SUB CODE: AA

NO REF SOV: 011

OTHER: 005

Card 3/3

ACCESSION NR: AP4043952

exceed observational errors. The probable relative error of one determination of $w\lambda$ is not more than 10%, whereas the maximum change in $w\lambda$ was 50%. The wings of the hydrogen lines are subject to considerable changes, probably associated with pressure change. If the atmosphere remains in hydrostatic equilibrium at all times, the relative change in radius of the star, corresponding to a change in acceleration by Δg , is:

$$\Delta R / R = -1/2(\Delta g / g). \quad (1)$$

using a table in the text, it is found that:

$$\Delta R / R = -36\%. \quad (2)$$

The minus sign means that on April 14, 1960 the radius of γ Leo was 36% smaller than on April 26, 1958. The electron density was determined from the ionization state of Fe, using the Saha formula; it increased during this same time by a factor of 2.3. If the changes in radius and temperature are correct, there should be a change in the brightness of the star in visible rays up to $0^m.14$, in photographic rays up to $0^m.21$, and in color

Card 2/3

ACCESSION NR: AP4043952

S/0033/64/041/004/0637/0643

AUTHOR: Malov, I. F., Vitrichenko, E. A.

TITLE: Spectral variability of the supergiant Eta Leo

SOURCE: Astronomicheskiy zhurnal, v. 41, no. 4, 1964, 637-643

TOPIC TAGS: astronomy, stellar astronomy, supergiant star, star, stellar atmosphere, stellar electron pressure, stellar variability

ABSTRACT: A study has been made of changes in the spectrum of the supergiant η Leo (AOB). The investigation was based on 18 spectrograms obtained during 1958-60 using the 50" reflector of the Crimean Observatory with a dispersion of 23.4 Å/mm at H γ . The spectral region from 4600 Å to H Σ was used. It was found that there are changes in the equivalent widths and profiles of the hydrogen lines H δ and H γ as well as in the equivalent widths of the lines of metals. The authors discuss the problem of the possible physical changes in the atmosphere of the star responsible for the observed spectral changes. Estimates of the change in temperature lead to the value $\Delta T \approx 1000^{\circ}\text{C}$, changes in electron pressure by a factor of 2 and a change in radius as great as 30%. It is noted that the changes in w_{λ} (equivalent width) and profiles of the hydrogen lines considerably

KOGAN, A.Kh., MALOV, G.A., KALASHNIK, N.I.

Inclusion of P^{32} in nucleic acids and of S^{35} in proteins of
malignantly degenerating capsules of connective tissues. Vop.
med. khim. 11 no.1:70-75 Ja-F 165. (MIRA 18:10)

1. Kafedra patologicheskoy fiziologii i Moskovskogo otdela
Lenina meditsinskogo instituta imeni I.M. Sechenova i laboratoriya
klinicheskoy fiziologii Instituta serdechno-sosudistoy khirurgii,
Moskva.

MEERSON, F.Z.; KAIMBINA, N.P.; MIRON, G.A.; SIMONYAN, N.T.; ROMANOVA, L.K.

Effect of actinomycin D on the development of the compensatory hyperfunction of the myocardium, kidney and liver. Acta biol. acad. sci. Hung. 15 no.4:375-382 '65.

1. Laboratory of Physiology and Pathology of the Myocardium (Head: F.Z. Meerson) and Institute of Normal and Pathological Physiology of the Academy of Medical Sciences (Head: V.V. Parin).

MALOV, G.A.

Notes concerning F.F. Kaperko's article. Med. rad. 10 no.6:
(MIRA 18:6)
68-71 Je '65.

1. Laboratoriya radioaktivnykh izotopov Instituta serdechno-
sudistoy khirurgii AMN SSSR, Moskva.

DERGACHEV, V.V., KALEBINA, N.S., MALOV, G.P.

Effect of folic acid in compensatory regeneration of the
hears. Dokl. AN SSSR 197 No. 6 1971 1226 N 101.

1. Institut serdično-saudinistky khirurgii AMN SSSR i Chirurgich
normal'noj i patologicheskoy fiziologii AMN SSSR, Pravdina, k. akademikom A.N. Bakulevym.

MEYERSON, F.Z.; MALOV, G.A.; PSHENNIKOVA, M.G.; KALEBINA, N.S.

Correlation in the intensity of synthesis and the breakdown
of protein in the myocardium in heart hyperfunction. Dokl.
AN SSSR 154 no. 3:738-741 Ja '64. (MIRA 17:5)

1. Institut normal'noy i patologicheskoy fiziologii AMN SSSR
i Institut serdechno-sosudistoy khirurgii AMN SSSR. Predstavleno
akademikom A.N.Bakulevym.

MALOV, G.A.; RYUMINA, Ye.N.

Use of Cr51 for labelling erythrocytes. Med. rad. 9 no.3:47-51 Mr 164.
(MIRA 17:12)

1. Laboratoriya klinicheskoy fiziologii (zav. - prof. A.G.Bukhtiyarov)
Instituta serdechno-sosudistoy khirurgii AMN SSSR.

BAZARDZHIAN, A.G.; KALEBINA, N.S.; MALOV, G.A.

Effect of vitamin B₁₂ on the dynamics of protein synthesis
in the myocardium under conditions of compensatory heart
hyperfunction. Dokl. AN SSSR 153 no.1:207-208 N '63.

(MIRA 17:1)

1. Institut normal'noy i patologicheskoy fiziologii AMN SSSR
i Institut serdechno-sosudistoy khirurgii AMN SSSR. Pred-
stavлено академиком Н.М. Сисакяном.

*

MALOV, G.A., nauchnyy sotrudnik, ORESHKO, V.F., prof., PINGIN, M.A., nauchnyy sotrudnik.

Study of radioactivity of water and bottom deposits of city ponds [with summary in English]. Gig. i san. 23 no.10:28-32 0 '58 (MIRA 11:11)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta sanitarii i gigiyeny imeni F.M. Erismana Ministerstva zdravookhraneniya RSFSR. (RADIOACTIVITY, of water & bottom deposits of city ponds (Rus))

(WATER, radioactivity of water & bottom deposits of city ponds (Rus))

MALOV, G. A.

MALOV, G.A., aspirant

Experimental data on maximum permissible concentration of thiophos
in the water supply [with summary in English]. Gig. i san. 22 no.7:
3-9 Jl '57. (MIRA 10:10)

1. Iz kafedry kommunal'noy gigiyeny I Moskovskogo ordean Lenina
meditsinskogo instituta imeni I.M.Sechenova.

(PARATHION, determination,

in water supply, maximum safe concentration (Rus))

(WATER SUPPLY,
parathion maximum safe concentration (Rus))

MATOV, G.A.

Discharging waste waters in thiophosphate production. Vod. i
san.tekh. no.5:31-33 My '57. (MIRA 10:7)
(Phosphate industry) (Sewage disposal)

MALOV, G. A., Cand of Med Sci -- (diss) "Experimental Data on the utilization of maximum allowable concentration of thiophosphate in the water of a reservoir." Moscow, 1957, 22 pp (1st Moscow Medical Institute im Sechenov), 200 copies (KL, 33-57, 89)

MALOV, G. A.

AID P - 2892

Subject : USSR/Medicine
Card 1/1 Pub. 37 - 9/20
Authors : Ivanov, V. A., Dots.; Malov, G. A., Aspirant;
Sovetov, S. Ye., Prof.
Title : Grigoriy Vital'yevich Khlopin, outstanding Soviet
hygienist
Periodical : Gig. i san., 9, 35-41, S 1955
Abstract : A biography of G. V. Khlopin and a review of his
work. Portrait. 9 refs. and footnotes.
Institution : Chair of Municipal Hygiene, Moscow Order of Lenin
First Medical Institute, and Chair of School Hygiene,
Moscow Pedagogical Institute im. V. I. Lenin.
Submitted : Je 26, 1954

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900037-6

MALOV, G.A.

Academician I.I. Lepekhin; on the 150th anniversary of his death. Farm. i
toks. 16 no.1:55 Ja-F '53. (Lepekhin, Ivan Ivanovich, 1740-1802) (MLRA 6:6)

MALOV, G. A.

CA

PROPERTIES AND PROPERTIES INDEX

Obtaining Glauber and epsom salts from astrakanite
 G. A. Malov, B. I. Stepanov, and A. V. Shcheglova
 (Astrakhan Med. Inst.). *Farmatsiya* 8, No. 6, 24-6
 (1945).—Astrakanite ($MgSO_4 \cdot NaSO_4 \cdot 4H_2O$) is available
 in large amounts in the salt lakes of Astrakhan. To sep. the
 sulfates a satd. soln. is cooled to at least -2° . The
 crystals are washed with mother liquor; a new satd. soln.
 is prep'd. at room temp. and cooled at least to -2° .
 After recrystg. 4 times in this manner the $NaSO_4$ meets
 Pharmacopeia requirements. The mother liquor is evapd.
 to satn. with $MgSO_4$ and purified to Pharmacopeia re-
 quirements by recrystg. 3 times. Epsomite can be ob-
 tained in 90% purity from the brines of these lakes.

Julian F. Smith

ASW-1A METALLURGICAL LITERATURE CLASSIFICATION

EXONI STR 414M 1000 MAY ONLY UNI

1000 BOMBOY

BILLET ONE ONLY 101

MALOV, G. A.

PROCESSES AND PROPERTIES INDEX

11H

Acute vascular hypotonia. G. A. Malov (Astrakhan Med. Inst.). *Farmakol. i Tokukol.* 8, No. 1, 3-7 (1955).

Arsenic and some other poisons are directly toxic to vein walls in certain cases of vascular collapse. The nervous system influences the permeability of capillaries, as shown by increased permeability in acute NaI poisoning and by the effects of alc. NH₂ on the vagosympathetic nerve. Dromural, in doses which paralyze the central nervous system, is apparently prophylactic against acute NaI poisoning in dogs. Adrenaline has a faster but transitory effect. Vasotone is remedial and prophylactic; pyramedone is ineffective, says cordamine. Iulayev. Sustit-

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

SECTION SUBJECTS

SEARCHED INDEXED

FILED 1967

ONE COPY

MALOV, G. A.

CA

PROCESSES AND PROPERTIES INDEX

Pharmacology of cinchophen, aminopyrine, and strophanthin. G. A. Malov (Astrakhan State Med. Inst., U.S.S.R.). *Farmakol i Toksikol*, 7, No. 5, 32-6(1944).— Cinchophen orally and strophanthin intravenously overcame the depressive effect of repeated injections of small doses of peptone on the peripheral vascular system, particularly the fall in blood pressure. Intravenous aminopyrine was no more effective than saline. H. L. W.

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

REF ID	SEARCHED	INDEXED	SERIALIZED	FILED
1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30
31	32	33	34	35
36	37	38	39	40
41	42	43	44	45
46	47	48	49	50
51	52	53	54	55
56	57	58	59	60
61	62	63	64	65
66	67	68	69	70
71	72	73	74	75
76	77	78	79	80
81	82	83	84	85
86	87	88	89	90
91	92	93	94	95
96	97	98	99	100
101	102	103	104	105
106	107	108	109	110
111	112	113	114	115
116	117	118	119	120
121	122	123	124	125
126	127	128	129	130
131	132	133	134	135
136	137	138	139	140
141	142	143	144	145
146	147	148	149	150
151	152	153	154	155
156	157	158	159	160
161	162	163	164	165
166	167	168	169	170
171	172	173	174	175
176	177	178	179	180
181	182	183	184	185
186	187	188	189	190
191	192	193	194	195
196	197	198	199	200
201	202	203	204	205
206	207	208	209	210
211	212	213	214	215
216	217	218	219	220
221	222	223	224	225
226	227	228	229	230
231	232	233	234	235
236	237	238	239	240
241	242	243	244	245
246	247	248	249	250
251	252	253	254	255
256	257	258	259	260
261	262	263	264	265
266	267	268	269	270
271	272	273	274	275
276	277	278	279	280
281	282	283	284	285
286	287	288	289	290
291	292	293	294	295
296	297	298	299	300
301	302	303	304	305
306	307	308	309	310
311	312	313	314	315
316	317	318	319	320
321	322	323	324	325
326	327	328	329	330
331	332	333	334	335
336	337	338	339	340
341	342	343	344	345
346	347	348	349	350
351	352	353	354	355
356	357	358	359	360
361	362	363	364	365
366	367	368	369	370
371	372	373	374	375
376	377	378	379	380
381	382	383	384	385
386	387	388	389	390
391	392	393	394	395
396	397	398	399	400
401	402	403	404	405
406	407	408	409	410
411	412	413	414	415
416	417	418	419	420
421	422	423	424	425
426	427	428	429	430
431	432	433	434	435
436	437	438	439	440
441	442	443	444	445
446	447	448	449	450
451	452	453	454	455
456	457	458	459	460
461	462	463	464	465
466	467	468	469	470
471	472	473	474	475
476	477	478	479	480
481	482	483	484	485
486	487	488	489	490
491	492	493	494	495
496	497	498	499	500
501	502	503	504	505
506	507	508	509	510
511	512	513	514	515
516	517	518	519	520
521	522	523	524	525
526	527	528	529	530
531	532	533	534	535
536	537	538	539	540
541	542	543	544	545
546	547	548	549	550
551	552	553	554	555
556	557	558	559	560
561	562	563	564	565
566	567	568	569	570
571	572	573	574	575
576	577	578	579	580
581	582	583	584	585
586	587	588	589	590
591	592	593	594	595
596	597	598	599	600
601	602	603	604	605
606	607	608	609	610
611	612	613	614	615
616	617	618	619	620
621	622	623	624	625
626	627	628	629	630
631	632	633	634	635
636	637	638	639	640
641	642	643	644	645
646	647	648	649	650
651	652	653	654	655
656	657	658	659	660
661	662	663	664	665
666	667	668	669	670
671	672	673	674	675
676	677	678	679	680
681	682	683	684	685
686	687	688	689	690
691	692	693	694	695
696	697	698	699	700
701	702	703	704	705
706	707	708	709	710
711	712	713	714	715
716	717	718	719	720
721	722	723	724	725
726	727	728	729	730
731	732	733	734	735
736	737	738	739	740
741	742	743	744	745
746	747	748	749	750
751	752	753	754	755
756	757	758	759	760
761	762	763	764	765
766	767	768	769	770
771	772	773	774	775
776	777	778	779	780
781	782	783	784	785
786	787	788	789	790
791	792	793	794	795
796	797	798	799	800
801	802	803	804	805
806	807	808	809	810
811	812	813	814	815
816	817	818	819	820
821	822	823	824	825
826	827	828	829	830
831	832	833	834	835
836	837	838	839	840
841	842	843	844	845
846	847	848	849	850
851	852	853	854	855
856	857	858	859	860
861	862	863	864	865
866	867	868	869	870
871	872	873	874	875
876	877	878	879	880
881	882	883	884	885
886	887	888	889	890
891	892	893	894	895
896	897	898	899	900
901	902	903	904	905
906	907	908	909	910
911	912	913	914	915
916	917	918	919	920
921	922	923	924	925
926	927	928	929	930
931	932	933	934	935
936	937	938	939	940
941	942	943	944	945
946	947	948	949	950
951	952	953	954	955
956	957	958	959	960
961	962	963	964	965
966	967	968	969	970
971	972	973	974	975
976	977	978	979	980
981	982	983	984	985
986	987	988	989	990
991	992	993	994	995
996	997	998	999	1000

RUSANOV, V.T.; GUR'YEV, I.D., master; KOCHENKOV, V.V., osmotrshchik-avtomatchik; SUKINOV, S.I., osmotrshchik-avtomatchik; SEMENIKHIN, N.A., osmotrshchik-prolazchik; MALYGINA, N.A., slesar'-avtomatchik; MANTAK, A.I., inzh.-tekhnolog; MALOV, G.A., instruktor; POTAPOV, A.L., mashinist elektrovoza; KOVRIZHKIN, N.P.; PATEYUK, I.L., starshiy inzh. po tormozam

Discussion of Boiko and Senderov's article "Is there a need for emergency braking boosters on freight trains?" Elek. i tepl. tiaga 5 no.12:26-27 D '61.
(MIRA 15:1)

1. Punkt tekhnicheskogo osmotra stantsii Magnitogorsk Yuzhno-Ural'skoy dorogi.
2. Nachal'nik punkta tekhnicheskogo osmotra stantsii Magnitogorsk Yuzhno-Ural'skoy dorogi (for Rusanov).
3. Depo Tuapse Severo-Kavkazskoy dorogi (for Potapov).
4. Starshiy revizor sluzhby lokomotivnogo khozyaystva Moskovskoy dorogi (for Kovrizhkin).
5. Sluzhba vagonnogo khozyaystva Moskovskoy dorogi (for Pateyuk).
(Railroads—Brakes)

GABELOVA, N.A.; MALOV, G.A.

Clinical use of multichannel radiography in research on the
function of the cardiovascular system. Med. rad. 5 no.12:17-29
'60. (MIRA 14:3)

(CARDIOVASCULAR SYSTEM--RADIOGRAPHY)

1. HALOV, FED.
2. USSR (600)
4. Agriculture - Yenisey Valley
7. New developments on the Yenisey.
Vokrug sveta no. 10, 1952

9. Monthly List of Russian Accessions, Library of Congress, January 1953, Unclassified.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900037-6

MALOV, E.R.

Experience in route classification survey. (ed. i kart. no.11:38-
40 N 164. (MIRA 18:2)

L 23216-66

ACC NR: AP6013582

sequently, he joined the Rostov department of the GPI /Gosudarstvennyy proyektnyy institut; State Designing Institute/ "Tyazhpromelektro-projekt" where he advanced from a technician of the designing department to its chief engineer. From 1933 to 1962 he was docent of the department of electrification of industrial enterprises of the NPI /Novocherkasskiy politekhnicheskiy institut imeni Sergo Ordzhonikidze; Novocherkassk Politechnic Institute im. Sergo Ordzhonikidza/; he taught as professor until 1965 and presently is a professor of the RIIZhT. He published more than 70 scientific works, including studies of flywheel-containing electric motors, investigations of electrical loads of industrial enterprises, analyses of basic features of real load graphs, (including their probabilistic modeling), proposals for peak load calculation methods (based on the theory of mass servicing) and developments of methods for the calculation of extremal loads of heavy consumers, for the study of random graphs of reactive loads, for the evaluation of electric load fluctuations, and the like. G. M. KAYALOV was also active in the Party, professional, and scientific organizations. He is a holder of the "For Outstanding Work During the Great Patriotic War of 1941-1945 gg." medal and the "Badge of Honor" decoration. Orig. art. has: 1 figure. [JPRS] 14

SUB CODE: 09, 05 / SUBM DATE: none

Card 2/2 28

L 23216-66 EWT(d)/EWP(k)/EWP(1)
ACC NR: AP6013582

SOURCE CODE: UR/0144/65/000/010/1181/1182

AUTHOR: Avilov-Karnaukhov, B. N.; Bogush, A. G.; Gikis, A. F.; Drozdov, A. D.;
Malov, D. I.; Sinel'nikov, Ye. M.; Brusentsov, L. V.; Denisov, A. A.; Pal'shau, M. V.;
Polyakov, B. A.; Chernyavskiy, F. I.; Burok, V. S.; Gordeyev, V. I.; Kazhdan, A. E.;
Kovalev, V. Ye.; Kurennyy, E. G.; Potapenko, V. Ya.

ORG: none

TITLE: Professor G. M. Kayalov on the occasion of his 60th birthday and 37 years of
pedagogical activities

SOURCE: Izvestiya vysshikh uchebnykh zavedeniy. Elektromekhanika, no. 10, 1965,
1181-1182

TOPIC TAGS: electric engineering personnel, academic personnel

ABSTRACT: Doctor of Engineering Sciences, Professor of RIIZhT
[Rostovskiy institut inzhenerov zheleznodorozhnogo transporta;
Rostov Institute of Railroad Engineers], Georgiy Mikhaylovich

KAYALOV was born on 26 September 60 years ago. He began his
working career as a standby electrical construction worker at the
Novorossiysk cement factory. In 1929 he graduated from the
Novocherkassk Polytechnical Institute, and between 1928 and 1947
worked in the designing section of the "Elektroprom" trust. Sub-

Card 1/2

L 22425-66
ACC NR: AP6013623

Electrical Machinery, Apparatus, and Computers and Mathematical Devices. He has been instrumental in establishing the computer laboratory at this institute, where research is being performed on the problems of utilizing computer engineering in the design and calculation of electromagnetic, mechanical, and thermal processes in electrical machinery and equipment. Since 1958 Professor Sinel'nikov has been Coordinating Editor of the journal Elektro-mekhanika (Electromechanics) - one of the series published under the aegis of Izvestiya Vysshikh Uchebnykh Zavedeniy (News of Higher Schools). Yefim Markovich is moreover a prominent educator and the holder of many social honors and consultant to a series of industrial enterprises. For his great merits as an educator and for his scientific contributions he has been awarded the Order of Labor Red Banner. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 09 / SUBM DATE: none

Card 2/2 M

L 22425-66 EWP(d)/EWP(k)/EWP(l)
 RCC NR: AP6013623

SOURCE CODE: UR/0105/65/000/009/0089/0090

AUTHOR: Avilov-Karnaukhov, B. N.; Baturo, V. I.; Bakhvalov, Yu. A.; Bogush, A. G.;
 Bolyayev, I. P.; Gikis, A. F.; Drozdov, A. D.; Kayalov, G. M.; Kleymenov, V. V.;
 Kolesnikov, E. V.; Malov, D. I.

ORG: none

TITLE: Honoring the 60th birthday of Professor Yefim Markovich Sinel'nikov

SOURCE: Elektrichestvo, no. 9, 1965, 89-90

TOPIC TAGS: academic personnel, electric engineering personnel, computer research

ABSTRACT: Professor Sinel'nikov was born 11 May 1905 in Yekaterinoslav (now Dnepropetrovsk) in the family of a clerk. Following his graduation from the Khar'kov Electrical Engineering Institute in 1930 he was appointed chief of the Technical Division on Electric Drive at the Khar'kov Electrical Machinery Plant. Subsequently he was appointed research engineer at the Vol'ta Plant and later on transferred to Moscow, to the Institute of Experimental Medicine, while at the same time he continued his studies. In 1946 he started working as a senior scientific researcher at the All-Union Electrical Engineering Institute. Since September 1953 Professor Sinel'nikov has been working at the Novocherkassk Polytechnic Institute. At present he is head of the Chair of

UDC: 621.313

Card 1/2

MALOV, Dmitriy Ivanovich, starshiy prepodavatel'

Static errors of automatic digital d.c. ohmmeters. Izv.vys.ucheb.
zav.; elektromekh. 5 no.1:37-46 '62. (MIRA 15:2)

1. Kafedra avtomaticheskikh i izmeritel'nykh ustroystv Novocherkasskogo
politekhnicheskogo instituta.
(Ohmmeter)

MALOV, DMITRIY IVANOVICH, starshiy prepodavatel'

Concerning the automatic selection of measurement limits in digital
ohmmeters. Izv. vys. ucheb. zav.; elektromekh. 4 no.7:64-76 '61.
(MIRA 14:7)

1. Kafedra avtomaticheskikh i izmeritel'nykh ustroystv
Novocherkasskogo politekhnicheskogo instituta.
(Ohmmeter)